

Title (en)
POLYFERRIC SULPHATE SOLUTION

Title (de)
POLYVINYLSULFATLÖSUNG

Title (fr)
SOLUTION DE SULFATE POLYFERRIQUE

Publication
EP 3697730 A1 20200826 (EN)

Application
EP 18792448 A 20181003

Priority
• GB 201717117 A 20171018
• GB 2018052813 W 20181003

Abstract (en)
[origin: GB2567655A] A process for the production of polyferric sulphate is disclosed which comprises digesting iron oxide in aqueous sulphuric acid to form a solution including ferrous sulphate; oxidising the solution with nitric acid to convert ferrous ions to ferric ions and form polyferric sulphate wherein the molar ratio of iron to sulphuric acid is such that the polyferric sulphate will be sulphate deficient. Nitrogen oxides formed during the process are oxidised and may be recycled to be reused in the oxidation step. The iron oxide may be mill scale or magnetite.

IPC 8 full level
C01G 49/14 (2006.01); **C01G 49/00** (2006.01)

CPC (source: EP GB US)
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Citation (search report)
See references of WO 2019077302A1

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GB 201717117 A 20171018; EP 18792448 A 20181003; GB 2018052813 W 20181003; US 201816756542 A 20181003